





FIG. 3A



Hs Mm Dm	MGQSGRSRHQ	KRNRAQAQLR	NLESYAAOPH	SFVFTRGCIG SFVFTRGRAG SFVIHRGLAC	RNVROLSLDV	50 50 49
Hs Mm Dm	RRVMEPLITAT	RLQVRKKNSL	KDCVAVAGPL	GVTHFLILAK GVTHFLILIK HMSHMGIFNK	TCNSVYLKLM	100 100 99
Hs Mm Dm	RLPGGPTLTF	DISKYTLIRD	VVSSLRRHRM	неооганры неоогинры сисныкн у ы	LVLNSFGPOA	150 150 149
Hs Mm Dm	MHIKLMATMF	QNLFPSINVH	TVNLNTIKRC	LLIDYNPDSQ LLIDYNPDSQ VLFSYNPDTK	ELDFRHYSVK	200 200 199
Hs Mm Dm	VVPVGASRGM	KKLLQEKFPN	MSRLQDISEL	LATGAGLSES LATGVGLSDS VTKDGYASES	EMEPDGEHNT	250 250 249
Hs Mm Dm	TELPQAVAGR	GNMDAQQSAV	RLTEIGPRMT	rófikieegr Fófikióega Mófikióega Mófikieegr	CINCINVLFHSF	300 300 298
Hs Mm Dm	WHKTEEELQA	ILAAKEEKLR	LKAQRONDQA	ONVOFKQEOR ENLOFSRSOR ENRARNLKLK	GPOEEEPG	350 348 348
Hs Mm Dm	MKKARVGGSD RHKASPCKGR AEGRTDS	RZQZCZGPRG	TASLELGECD TARGQWGAGQ	DEDEDDOTEY PEDEEDDAEY DPEDDAEY	FROAVGEEPD	399 398 373
Hs Mm Dm	EDLFFTAAKR	RRQGGL	LAKK	D-RGRGRLCD Q-RGKEQRPG DTKDKNCKSE	NK	439 437 423
Hs Dm			RDGGRGRGRG PKNKRAKFDH			473 460

FIG. 3B



	_	_					
	10	20	30	40	50	60	
1	GCCTGATGTC	GTCCCACGCC	GTGCCGGCTC	TCAGGCGCCG	GAAGTGAGCT	GCGCACGGCC	60
61	GGAAGCGGCG	GACGCAGGAG	GCCTCGTGGA	GGACACAGCA	GCATGGGACA	GTCAGGGAGG	120
121	TCCCGGCACC	AGAAGCGCGC	CCCGCCCCAG	GCGCAGCTCC	GCAACCTCGA	GGCCTATGCC	180
181	GCGAACCCGC	ACTCGTTCGT	GTTCACGCGA	GGCTGCACGG	GTCGCAACAT	CCGGCAGCTC	240
241	AGCCTGGACG	TGCGGCGGGT	CATGGAGCCC	GTCACTGCCA	GCCGTCTGCA	GGTTCGTAAG	300
301	AAGAACTCGC	TGAAGGACTG	CGTGGCAGTG	GCTGGGCCCC	TCGGGGTCAC	ACACTTTCTG	360
361	ATCCTAGCAA	AACAAGAGAC	CAATGTCTAC	TTTAAGCTGA	TGCGCCTCCC	AGGAGGCCCC	420
421	ACCTTGACCT	TCCAGGTCAA	GAAGTACTCG	CTGGTGCGTG	ATGTGGTCTC	CTCACTGCGC	480
481	CGGCACCGCA	TGCACGAGCA	GCAGTTTGCC	CACCCACCCC	TCCTGGTACT	CAACAGCTTT	540
541	GGCCCCCATG	GTATGCATGT	GAAGCTCATG	GCCACCATGT	TCCAGAACCT	GTTCCCCTCC	600
601	ATCAACGTGC	ACAAGGTGAA	CCTGAACACC	ATCAAGCGCT	GCCTCCTCAT	CGACTACAAC	660
661	CCCGACTCCC	AGGAGCTGGA	CTTCCGCCAC	TATAGCATCA	AAGTTGTTCC	TGTGGGCGCG	720
721	AGTCGCGGGA	TGAAGAAGCT	GCTCCAGGAG	AAGTTCCCCA	ACATGAGCCG	CCTGCAGGAC	780
781	ATCAGCGAGC	TGCTGGCCAC	GGGCGCGGG	CTGTCGGAGA	GCGAGGCAGA	GCCTGACGGC	840
841	GACCACAACA	TCACAGAGCT	GCCTCAGGCT	GTCGCTGGCC	GTGGCAACAT	GCGGGCCCAG	900
901	CAGAGTGCAG	TGCGGCTCAC	CGAGATCGGC	CCGCGGATGA	CACTGCAGCT	CATCAAGGTC	960
961	CAGGAGGGCG	TCGGGGAGGG	CAAAGTGATG	TTCCACAGTT	TTGTGAGCAA	GACGGAGGAG	1020
1021	GAGCTGCAGG	CCATCCTGGA	AGCCAAGGAG	AAGAAGCTGC	GGCTGAAGGC	TCAGAGGCAG	1080
1081	GCCCAGCAGG	CCCAGAATGT	GCAGCGCAAG	CAGGAGCAGC	GGGAGGCCCA	CAGAAAGAAG	1140
1141	AGCCTGGAGG	GCATGAAGAA	GGCACGGGTC	GGGGGTAGTG	ATGAAGAGGC	CTCTGGGATC	1200
1201	CCTTCAAGGA	CGGCGAGCCT	GGAGTTGGGT	GAGGACGATG	ATGAACAGGA	AGATGATGAC.	1260
1261	ATCGAGTATT	TCTGCCAGGC	GGTGGGCGAG	GCGCCCAGTG	AGGACCTGTT	CCCCGAGGCC	1320
1321	AAGCAGAAAC	GGCTTGCCAA	GTCTCCAGGG	CGGAAGCGGA	AGCGGTGGGA	AATGGATCGA	1380
1381	GGCAGGGGTC	GCCTTTGTGA	CCAGAAGTTT	CCCAAGACCA	AGGACAAGTC	CCAGGGAGCC	1440
1441	CAGGCCAGGC	GGGGGCCCAG	AGGGGCTTCC	CGGGATGGTG	GGCGAGGCCG	GGGCCGAGGC	1500
1501	CGCCCAGGGA	AGAGAGTGGC	CTGAGCCCAA	GCCGCACCGG	AGCAGCGGCT	GGATTGAACG	1560
1561	CCCCAGATTG	GGGCCCGAGA	TGTGGCCCTC	${\tt GGTTTCCTTT}$	CATAAAGGAG	TTGTGTCCCC	1620
1621	AGCCCTTCCA	CTCCAGTAAA	GAACTGAATT	GGCAAAAAA	AAAA		1664
	10	20	l 30	40	50	l 60	

FIG. 6A

	10	1 20	30	40	50	60	
1	MGQSGRSRHQ	KRAPPQAQLR	NLEAYAANPH	SFVFTRGCTG	RNIRQLSLDV	RRVMEPVTAS	60
61	RLQVRKKNSL	KDCVAVAGPL	GVTHFLILAK	QETNVYFKLM	RLPGGPTLTF	QVKKYSLVRD	120
121	VVSSLRRHRM	HEQQFAHPPL	LVLNSFGPHG	MHVKLMATMF	QNLFPSINVH	KVNLNTIKRC	180
181	LLIDYNPDSQ	ELDFRHYSIK	VVPVGASRGM	KKLLQEKFPN	MSRLQDISEL	LATGAGLSES	240
241	EAEPDGDHNI	TELPQAVAGR	GNMRAQQSAV	RLTEIGPRMT	LQLIKVQEGV	GEGKVMFHSF	300
301	VSKTEEELQA	ILEAKEKKLR	LKAQRQAQQA	QNVQRKQEQR	EAHRKKSLEG	MKKARVGGSD	360
361	EEASGIPSRT	ASLELGEDDD	EQEDDDIEYF	CQAVGEAPSE	DLFPEAKQKR	LAKSPGRKRK	420
421	RWEMDRGRGR	LCDQKFPKTK	DKSQGAQARR	GPRGASRDGG	RGRGRGRPGK	RVAZ	474
	l 10	1 20	30	40	1 50	i 60	

FIG. 6B



MM HS	fgqgkqaaw <mark>g</mark> spggpdirsai A pgelrnlesyaaq <mark>phsfv</mark>	41
MM HS	FTRGRAGRNVRQUSUDVRRVMEÐUTATRUQVRKKNSLKDCVAVAGPLGVHÐUUTUUTU LGPRVHÐULSK	98 13
MM HS	TDNSVYL KILM<u>RLB</u>GGBTLTF QISKY TLIRDVVS SLRRH-RMHEQQ FNHPPI LVL NSFG TE¶NVYFKILMRLBGGBTLTFQVKKYSLVRDVVSSLRRH-RMHEQQFAHPPILVL NSFG	155 70
MM HS	PQQMAIKLMAIMFQNLFPSINVHTVNLNTIKRQLTINVNPD-SQELDFRHY PHQMHVKLMAIMFQNLFPSINVHKVNLNTIKRQSSXDLKHQFPRSLDFRPI	205 121
MM HS	SVKVVPVGASRGMKKLLQEKFPMMSRLQDISELLATGVGIAFKGGSCWAPNSGGL	244 137
ММ	TTE[]P[]AVAG-RGNMQAQQSA	277
ММ	VRUTEIGPRMULQLIKIQEGVGNGNVUFHSFVHKTEEELQAILAAKEEKALRUKAQRQNQQ	337
MM	AENLQRXRSCRXPTRRRAWQA	358

FIG. 7